

## **ABSTRACT**

The invention discloses a portable device providing access to the Internet. A host computer runs a browser taking information received from the Internet, renders it onto a virtual display in memory, captures a portion of the image, reduces the color depth, compresses and sends it to the device. A PDA browser software program runs on the device containing its own window. The portion of the image sent from the host computer is equal to or proportional to the size of the PDA browser window. Upon scrolling on the device, the image of the new location is sent to the device, stored in memory, and displayed for view. Web pages and corresponding areas frequently viewed by the user are stored on the host computer, whereby the host computer recognizes these web pages and automatically sends corresponding areas frequently viewed to be displayed.